



Australian Government

RIIMEX503D Manage dredging operations

Release: 2

RIIMEX503D Manage dredging operations

Modification History

Release	Comment
1	This unit replaces RIIMEX503A Manage dredging operations
2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Application

This unit describes a participant's skills and knowledge required to manage dredging operations in Civil construction, Metalliferous mining and Extractive.

This unit is appropriate for those working in management or technical specialist roles.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

Civil construction

Extractive

Metalliferous mining

Elements and Performance Criteria

1. Plan and prepare for management of dredging operations	1.1 Access, interpret and apply management of dredging operations documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Identify and address potential risks, hazards and environmental issues and implement control measures 1.4 Select and wear personal protective equipment appropriate for work activities 1.5 Access and interpret geological and survey data 1.6 Access, interpret and clarify the dredging plan parameters 1.7 Communicate and coordinate activities with others prior to,
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	during and on completion of the work activity
2. Develop the dredging operations plan	2.1 Liaise with internal and external stakeholders in the implementation planning process, ensure their effective contribution and gain their support for the outcomes 2.2 Select, identify and source the resources and equipment to be used for the implementation of the dredging plan 2.3 Develop and document the dredging plan considering the dredging operations parameters, the confirmed geological and survey 2.4 Identify training needs of individuals involved and develop training plans Prepare and present the dredging plan budget
3. Implement, monitor and adjust the dredging operations plan	3.1 Issue, explain and clarify the dredging plan to team members and others involved, and ensure its safe, effective and efficient implementation 3.2 Provide timely ongoing support and advice to those implementing the dredging plan 3.3 Ensure that the dredge area is correctly marked out 3.4 Ensure written records and reports are maintained and issued 3.5 Monitor the dredging performance/outcomes against the dredge plan expectations and the budget 3.6 Resolve variances in consultation with relevant stakeholders and issue instructions for adjustments to the plan

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

Unit Mapping Information

RIIMEX503A Manage dredging operations

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>

Assessment Requirements for RIIMEX503D Manage dredging operations

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Performance Evidence

Evidence is required to be collected that demonstrates a candidate's competency in this unit. Evidence must be relevant to the roles within this sector's work operations and satisfy all of the requirements of the performance criteria of this unit and include evidence that the candidate:

- locates and applies relevant legislation, documentation, policies and procedures
- implements the requirements, procedures and techniques for the safe, effective and efficient completion of managing dredging operations including:
 - identifying the relevant information and scope of the work necessary to meet the required outcomes
 - interpreting and applying operational performance data
 - identifying viable options and selecting options that best meet the required outcomes
 - interpreting and applying geological and survey data
 - selecting and assigning plant, equipment, resources and operational techniques
- works effectively with others to undertake and complete managing dredging operations that meets all of the required outcomes including:
 - complying with written and verbal reporting requirements and procedures
 - providing leadership by communicating clearly and concisely with others to receive and clarify work instructions
 - communicating clearly and concisely with others to resolve coordination requirements prior to commencing and during work activities
 - identifying the training needs of others and preparing training plans
- demonstrates completion of managing dredging operations that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - developing, initiating and administering dredging plans, using dredging parameters
 - assessing and prioritising implementation processes

- developing and reviewing operating procedures relating to dredging operations
- monitoring dredging operations and making adjustments to the work plan if/when required
- writing reports to communicate procedural activity, breach or inadequacies to procedure and review process

Knowledge Evidence

The candidate must demonstrate knowledge of managing dredging operations through:

- the organisation and site requirements and procedures for:
 - work, health and safety
 - quality control, communications and statutory compliance
 - applying hazard identification and risk management processes
 - identifying and managing environmental issues, risks and controls
 - identifying and applying emergency response and evacuation/disaster planning processes and techniques
 - managing resources, plant and equipment within capabilities and limitations
 - reporting and recording on outcomes of the dredging operations
- geological and survey data
- pit development options and procedures
- roles and responsibilities of relevant personnel involved the implementation of the mine design systems
- team leadership techniques including:
 - roles and responsibilities of personnel
 - work planning and work monitoring methods
 - recording and reporting systems
 - questioning and active listening
 - consultation and coaching techniques

Assessment Conditions

- An assessor of this unit must satisfy the requirements of the NVR/AQTF or their successors; and Industry regulations for certification and licensing; and,
- this unit is best assessed in the context of this sector's work environment;
- where personal safety or environmental damage are limiting factors, assessment may occur in a simulated environment provided it is realistic and sufficiently rigorous to cover all aspects of this sector's workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills; and,
- this unit must be assessed in compliance with relevant legislation/regulation and using policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed; and,
- assessment may be conducted in conjunction with the assessment of other Units of Competency; and,

- assessment must confirm consistent performance can be applied in a range of relevant workplace circumstances; and,
- assessors must demonstrate the performance evidence, and knowledge evidence as outlined in this Unit of Competency, and through the minimum years of current* work experience specified below in an Industry sector relevant to the outcomes of the unit; or,
- where the assessor does not meet experience requirements a co-assessment or partnership arrangement must exist between the qualified assessor and an Industry subject matter expert. The Industry subject matter expert should hold the unit being assessed (or an equivalent unit) and/or demonstrate equivalence of skills and knowledge at the unit level. An Industry technical expert must also demonstrate skills and knowledge from the minimum years of current work experience specified below in the Industry sector, including time spent in roles related to the unit being assessed; and,
- assessor and Industry subject matter expert requirements differ depending on the Australian Qualifications Framework Level (AQF) of the qualification being assessed and/or Industry Sector as follows:

Industry sector	AQF** Level	Required assessor or Industry subject matter expert experience
Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Construction	1	1 Year
	2	2 Years
Drilling, Coal Mining and Extractive (Quarrying)	3-6	3 Years
Metalliferous Mining and Civil Construction	3-6	5 Years
Other sectors	Where this Unit is being assessed outside of the Resources and Infrastructure Sectors assessor and/or Industry subject matter expert experience should be in-line with industry standards for the sector in which it is being assessed and where no Industry standard is specified should comply with any relevant regulation.	

*Assessors can demonstrate current work experience through employment within Industry in a role relevant to the outcomes of the Unit; or, for external assessors this can be demonstrated through exposure to Industry by conducting frequent site assessments across various locations.

**Where a unit is being delivered outside of a Qualification the first numeric character in the Unit code should be considered to indicate the AQF level

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